

User ID: XCMROBBINS

RAW DATA REPORT

Report Request ID: 1762390

Report Code: AMP350

Jul. 16, 2019

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	42	007	0727		2						

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
ALL		089	

SELECTED OPTIONS

Option Type	Option Value
RAW DATA EVENTS	INCLUDE EVENTS
DAILY STATISTICS	MAXIMUM
AGENCY ROLE	PQAO
UNITS	STANDARD
INCLUDE NULLS	YES
MERGE PDF FILES	YES

SORT ORDER

Order	Column
1	STATE_CODE
2	COUNTY_CODE
3	SITE_ID
4	PARAMETER_CODE
5	POC

DATE CRITERIA

Start Date	End Date
2014 01 01	2018 12 31

APPLICABLE STANDARDS

Standard Description
CO 1-hour 1971
Lead 3-Month 2009
Lead 3-Month PM10 Surrogate 2009
Lead Quarterly 1978
NO2 Annual 1971
Ozone 1-hour 1979
PM10 24-hour 2006
PM25 24-hour 2012
SO2 1-hour 2010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12103) Arsenic (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-38-2
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.001	.000 ND
2									.001	.002		
3								.001				
4		.002				.002	.000 ND					
5	.001			.001	.001							
6			.002									
7											.000 ND	.001
8									.001	AF		
9								.002				
10		.000 ND				.002	AM					
11	.000 ND			.001	.002							
12			.001									
13											AF	AF
14									.002	.000 ND		
15								.001				
16		.001				AF	AF					
17	.000 ND			.001	.001							
18			.001									
19											AG	.001
20									.001	AF		
21								.001				
22		.001				.002	AF					
23	.000 ND			.001	AF							
24			.000 ND									
25											.000 ND	.000 ND
26									.002	.001		
27								.001				
28		.001				.002	.000 ND					
29	.001			.001	.001							
30			.000 ND									
31												.002
NO.:	5	5	5	5	4	4	2	5	5	3	3	5
MAX:	.001	.002	.002	.001	.002	.002	0.000	.002	.002	.002	.001	.002
MEAN:	.0004	.0010	.0008	.0010	.0013	.0020	0.0000	.0012	.0014	.0010	.0003	.0008
ANNUAL OBSERVATIONS:	51		ANNUAL MEAN:		.0010		ANNUAL MAX:		.002			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12103) Arsenic (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-38-2
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.002									
2											.002	AF
3									AF	.001		
4								.000 ND				
5		AF				.001	.004 5					
6	AG			.001	.001							
7			.000 ND								.001	.002
8												
9									.001	.000 ND		
10								.002				
11		.001				.000 ND	.002					
12	.001			.003	.000 ND							
13			.000 ND								.000 ND	.000 ND
14									AF	.000 ND		
15								.002				
16												
17		.001				.001	.001					
18	.000 ND			AG	.000 ND							
19			.002								.000 ND	.000 ND
20												
21									.001	.001		
22								.003				
23		.001				.001	.001					
24	AF			.000 ND	.005 5							
25			.001									
26											.000 ND	.000 ND
27									.001	.002		
28								.002				
29						.000 ND	.002					
30	AF			.001	.000 ND							
31			.000 ND									
NO.:	2	3	6	4	5	5	5	5	3	5	5	4
MAX:	.001	.001	.002	.003	.005	.001	.004	.003	.001	.002	.002	.002
MEAN:	.0005	.0010	.0008	.0013	.0012	.0006	.0020	.0018	.0010	.0008	.0006	.0005
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:	.0010		ANNUAL MAX:	.005					

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 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12103) Arsenic (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-38-2
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2016

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2												
3									.002	.004 5	.000 ND	.000 ND
4								.000 ND				
5						.000 ND	.001					
6		.000 ND		.000 ND	.001							
7	.002		.000 ND									
8											.001	.000 ND
9									AF	.000 ND		
10								.000 ND				
11						AG	.001					
12		.000 ND		.000 ND	.001							
13	.000 ND		.001								.001	AV
14												
15			AF						AF	.002		
16								.000 ND				
17						.002	.001					
18		.001		.002	.001							
19	AJ		.001								.000 ND	AV
20												
21									.000 ND	.000 ND		
22								.001				
23						.000 ND	.001					
24		.000 ND		.002	.001							
25	AJ		.000 ND								.000 ND	.000 ND
26												
27									.002	.000 ND		
28								.004 5				
29						.000 ND	AF					
30				.001	.002							
31	AJ		.000 ND									
NO.:	3	4	6	5	5	4	4	5	3	5	5	3
MAX:	.002	.001	.001	.002	.002	.002	.001	.004	.002	.004	.001	0.000
MEAN:	.0007	.0003	.0003	.0010	.0012	.0005	.0010	.0010	.0013	.0012	.0004	0.0000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.0008	ANNUAL MAX:	.004					

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 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12103) Arsenic (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-38-2
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2017

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	AJ			.001	.000 ND							
2			AJ									
3											.001 SQ	.017 5
4									.002	.001		
5								.001				
6		.000 ND				.000 ND	.000 ND					
7	.000 ND			.000 ND	.000 ND							
8			.000 ND									
9											.001 SQ	FI
10									.003	.001		
11								.001				
12		.001				.000 ND	.000 ND					
13	.000 ND			.002	.001							
14			.000 ND									
15											FI	FI
16									.008 5	.000		
17								.001				
18		AJ				.000 ND	.001					
19	AJ			.001	.000 ND							
20			.001									
21											.001 SQ	.001 SQ
22									AG	TS		
23								.001				
24		.000 ND				.000 ND	.000					
25	.000 ND			.001	.000 ND							
26			.001									
27											.001 SQ	FI
28									.001	.001 SQ		
29								FI				
30						.000 ND	.001					
31	AJ				.000 ND							
NO.:	3	3	4	5	6	5	5	4	4	4	4	2
MAX:	0.000	.001	.001	.002	.001	0.000	.001	.001	.008	.001	.001	.017
MEAN:	0.0000	.0003	.0005	.0010	.0002	0.0000	.0004	.0010	.0035	.0008	.0010	.0090
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.0011		ANNUAL MAX:	.017					

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 AIR QUALITY SYSTEM
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Jul. 16, 2019

(12103) Arsenic (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-38-2
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2018

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1		.000 ND				.000 ND						
2	.000 ND			.000 ND	.001 SQ							
3			FI									
4												
5												
6												
7		.001 SQ				.001 SQ						
8	.001 SQ			.000 ND	.001 SQ							
9			.000 ND									
10												
11												
12												
13		.001 SQ				FI						
14	FI			.001	.001							
15			FI									
16												
17												
18												
19		.000 ND				.001 SQ						
20	.000 ND			FI	.001 SQ							
21			.001 SQ									
22												
23												
24												
25		.000 ND				.000 ND						
26	.001 SQ			.000 ND	.001 SQ							
27			.001 SQ									
28												
29												
30												
31												
NO.:	4	5	3	4	5	4	0	0	0	0	0	0
MAX:	.001	.001	.001	.001	.001	.001						
MEAN:	.0005	.0004	.0007	.0003	.0010	.0005						
ANNUAL OBSERVATIONS:	25		ANNUAL MEAN:	.0006	ANNUAL MAX:	.001						

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12105) Beryllium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-41-7
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Nanograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.000 ND	.000 ND
2									.000 ND	.000 ND		
3								.000 ND				
4		.000 ND				.000 ND	.000 ND					
5	.000 ND			.000 ND	.000 ND							
6			.000 ND									
7										.000 ND	.000 ND	
8									.000 ND	AF		
9								.000 ND				
10		.000 ND				.000 ND	AM					
11	.000 ND			.000 ND	.000 ND							
12			.000 ND									
13											AF	AF
14									.000 ND	.000 ND		
15								.000 ND				
16		.000 ND				AF	AF					
17	.000 ND			.000 ND	.000 ND							
18			.000 ND									
19											AG	.000 ND
20									.000 ND	AF		
21								.000 ND				
22		.000 ND				.000 ND	AF					
23	.000 ND			.000 ND	AF							
24			.000 ND									
25											.000 ND	.000 ND
26									.000 ND	.000 ND		
27								.000 ND				
28		.000 ND				.000 ND	.000 ND					
29	.000 ND			.000 ND	.000 ND							
30			.000 ND									
31												.000 ND
NO.:	5	5	5	5	4	4	2	5	5	3	3	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	51		ANNUAL MEAN:		0.0000		ANNUAL MAX:		0.000			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
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Jul. 16, 2019

(12105) Beryllium (TSP) STP
 SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-41-7
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Nanograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000 ND									
2											.000 ND	AF
3									AF	.000 ND		
4								.000 ND				
5		AF				.000 ND	.000 ND					
6	AG			.000 ND	.000 ND							
7			.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10								.000 ND				
11		.000 ND				.000 ND	.000 ND					
12	.000 ND			.000 ND	.000 ND							
13			.000 ND								.000 ND	.000 ND
14												
15									AF	.000 ND		
16								.000 ND				
17		.000 ND				.000 ND	.000 ND					
18	.000 ND			AG	.000 ND							
19			.000 ND								.000 ND	.000 ND
20												
21									.000 ND	.000 ND		
22								.000 ND				
23		.000 ND				.000 ND	.000 ND					
24	AF			.000 ND	.000 ND							
25			.000 ND									
26											.000 ND	.000 ND
27									.000 ND	.000 ND		
28								.000 ND				
29						.000 ND	.000 ND					
30	AF			.000 ND	.000 ND							
31			.000 ND									
NO.:	2	3	6	4	5	5	5	5	3	5	5	4
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

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 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12105) Beryllium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-41-7
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
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 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2016

DURATION: 24 HOUR
 UNITS: Nanograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2												
3									.000 ND	.000 ND	.000 ND	.000 ND
4								.000 ND				
5						.000 ND	.000 ND					
6		.000 ND		.000 ND	.000 ND							
7	.000 ND		.000 ND									
8											.000 ND	.000 ND
9									AF	.000 ND		
10								.000 ND				
11						AG	.000 ND					
12		.000 ND		.000 ND	.000 ND							
13	.000 ND		.000 ND								.000 ND	AV
14												
15			AF						AF	.000 ND		
16								.000 ND				
17						.000 ND	.000 ND					
18		.000 ND		.000 ND	.000 ND							
19	AJ		.000 ND								.000 ND	AV
20												
21									.000 ND	.000 ND		
22								.000 ND				
23						.000 ND	.000 ND					
24		.000 ND		.000 ND	.000 ND							
25	AJ		.000 ND								.000 ND	.000 ND
26												
27									.000 ND	.000 ND		
28								.000 ND				
29						.000 ND	AF					
30				.000 ND	.000 ND							
31	AJ		.000 ND									
NO.:	3	4	6	5	5	4	4	5	3	5	5	3
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.0000		ANNUAL MAX:		0.000			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12105) Beryllium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-41-7
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2017

DURATION: 24 HOUR
 UNITS: Nanograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	AJ			.000 ND	.000 ND							
2			AJ									
3											.000 ND	.000 ND
4								.000 ND		.000 ND		
5									.000 ND			
6		.000 ND				.000 ND	.000 ND					
7	.000 ND			.000 ND	.000 ND							
8			.000 ND									
9											.000 ND	FI
10									.000 ND	.000 ND		
11								.000 ND				
12		.000 ND				.000 ND	.000 ND					
13	.000 ND			.000 ND	.000 ND							
14			.000 ND									
15											FI	FI
16									.000 ND	.000 ND		
17								.000 ND				
18		AJ				.000 ND	.000 ND					
19	AJ			.000 ND	.000 ND							
20			.000 ND									
21											.000 ND	.000 ND
22									AG	TS		
23								.000 ND				
24		.000 ND				.000 ND	.000 ND					
25	.000 ND			.000 ND	.000 ND							
26			.000 ND									
27											.000 ND	FI
28									.000 ND	.000 ND		
29								FI				
30						.000 ND	.000 ND					
31	AJ				.000 ND							
NO.:	3	3	4	5	6	5	5	4	4	4	4	2
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12105) Beryllium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-41-7
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2018

DURATION: 24 HOUR
 UNITS: Nanograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1		.000 ND				.000 ND						
2	.000 ND			.000 ND	.000 ND							
3			FI									
4												
5												
6												
7		.000 ND				.000 ND						
8	.000 ND			.000 ND	.000 ND							
9			.000 ND									
10												
11												
12												
13		.000 ND				FI						
14	FI			.000 ND	.000 ND							
15			FI									
16												
17												
18												
19		.000 ND				.000 ND						
20	.000 ND			FI	.000 ND							
21			.000 ND									
22												
23												
24												
25		.000 ND				.000 ND						
26	.000 ND			.000 ND	.000 ND							
27			.000 ND									
28												
29												
30												
31												
NO.:	4	5	3	4	5	4	0	0	0	0	0	0
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	25		ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12110) Cadmium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-43-9
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.000 ND	.000 ND
2									.000	.000 ND		
3								.000 ND				
4		.016 5				.000	.000 ND					
5	.000 ND			.000 ND	.000 ND							
6			.002									
7										.002	.000 ND	
8									.000 ND	AF		
9								.002				
10		.000 ND				.000	AM					
11	.000 ND			.000 ND	.000							
12			.001									
13											AF	AF
14									.000	.000 ND		
15								.000 ND				
16		.000				AF	AF					
17	.000 ND			.000 ND	.000 ND							
18			.000 ND									
19											AG	.000 ND
20									.000 ND	AF		
21								.000 ND				
22		.000 ND				.000 ND	AF					
23	.000 ND			.000 ND	AF							
24			.000 ND									
25											.000 ND	.000 ND
26								.000	.000	.000 ND		
27												
28		.000				.000 ND	.000 ND					
29	.000 ND			.000 ND	.000 ND							
30			.000 ND									
31												.000 ND
NO.:	5	5	5	5	4	4	2	5	5	3	3	5
MAX:	0.000	.016	.002	0.000	0.000	0.000	0.000	.002	0.000	0.000	.002	0.000
MEAN:	0.0000	.0032	.0006	0.0000	0.0000	0.0000	0.0000	.0004	0.0000	0.0000	.0007	0.0000
ANNUAL OBSERVATIONS:	51		ANNUAL MEAN:		.0005		ANNUAL MAX:		.016			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12110) Cadmium (TSP) STP
 SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-43-9
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000 ND									
2											.000 ND	AF
3									AF	.000 ND		
4								.000 ND				
5		AF				.000 ND	.000					
6	AG			.000 ND	.000 ND							
7			.000 ND									
8											.027 5	.001
9									.000 ND	.000 ND		
10								.000 ND				
11		.000				.000 ND	.000					
12	.000 ND			.001	.000 ND							
13			.000 ND								.000 ND	.000 ND
14									AF	.000 ND		
15								.000				
16												
17		.000				.001	.000 ND					
18	.000 ND			AG	.000 ND							
19			.001								.000 ND	.000 ND
20												
21									.000 ND	.000		
22								.001				
23		.000 ND				.000 ND	.000 ND					
24	AF			.000 ND	.000							
25			.000 ND								.000 ND	.000
26												
27									.000 ND	.000 ND		
28								.000				
29						.000 ND	.000 ND					
30	AF			.000 ND	.000 ND							
31			.000 ND									
NO.:	2	3	6	4	5	5	5	5	3	5	5	4
MAX:	0.000	0.000	.001	.001	0.000	.001	0.000	.001	0.000	0.000	.027	.001
MEAN:	0.0000	0.0000	.0002	.0003	0.0000	.0002	0.0000	.0002	0.0000	0.0000	.0054	.0003
ANNUAL OBSERVATIONS:		52	ANNUAL MEAN:	.0006	ANNUAL MAX:	.027						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12110) Cadmium (TSP) STP
 SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-43-9
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2016

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.001									
2												
3									.001	.002 5	.000 ND	.000 ND
4								.000 ND				
5						.000 ND	.000 ND					
6		.000 ND		.000 ND	.000 ND							
7	.000		.000 ND									
8											.000 ND	.000 ND
9									AF	.000 ND		
10								.000 ND				
11						AG	.000					
12		.000 ND		.000 ND	.000 ND							
13	.000 ND		.000								.000 ND	AV
14												
15			AF						AF	.000 ND		
16								.000 ND				
17						.000 ND	.000 ND					
18		.001		.000	.000							
19	AJ		.000								.000 ND	AV
20												
21									.000 ND	.000 ND		
22								.000 ND				
23						.000 ND	.000 ND					
24		.000 ND		.000 ND	.001							
25	AJ		.000 ND								.000 ND	.000 ND
26												
27									.000 ND	.000 ND		
28								.000 ND				
29						.000 ND	AF					
30				.000 ND	.000 ND							
31	AJ		.000 ND									
NO.:	3	4	6	5	5	4	4	5	3	5	5	3
MAX:	0.000	.001	.001	0.000	.001	0.000	0.000	0.000	.001	.002	0.000	0.000
MEAN:	0.0000	.0003	.0002	0.0000	.0002	0.0000	0.0000	0.0000	.0003	.0004	0.0000	0.0000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.0001		ANNUAL MAX:	.002				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12110) Cadmium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-43-9
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2017

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	AJ			.000 ND	.000 ND							
2			AJ									
3											.000 ND	.001 SQ
4								.000 ND		.000 ND		
5								.000 ND				
6		.000 ND				.000 ND	.000 ND					
7	.000 ND			.000 ND	.000 ND							
8			.000 ND									
9											.000 SQ	FI
10								.000 ND		.000 ND		
11								.000 ND				
12		.000 ND				.000 ND	.000 ND					
13	.000 ND			.000 ND	.000 ND							
14			.000 ND									
15											FI	FI
16								.000		.000 ND		
17								.000 ND				
18		AJ				.000 ND	.003 5					
19	AJ			.000 ND	.000 ND							
20			.000									
21											.000 ND	.001 SQ
22									AG	TS		
23								.000 ND				
24		.000 ND				.000 ND	.000 ND					
25	.000 ND			.000 ND	.000 ND							
26			.000 ND									
27											.000 ND	FI
28									.000 ND	.000 SQ		
29								FI				
30						.000 ND	.000 ND					
31	AJ				.000 ND							
NO.:	3	3	4	5	6	5	5	4	4	4	4	2
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	.003	0.000	0.000	0.000	0.000	.001
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0006	0.0000	0.0000	0.0000	0.0000	.0010
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.0001	ANNUAL MAX:	.003						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12110) Cadmium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-43-9
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2018

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1		.000 ND				.000 ND						
2	.000 ND			.000 ND	.000 ND							
3			FI									
4												
5												
6												
7		.000 ND				.000 ND						
8	.000 ND			.000 ND	.000 ND							
9			.000 ND									
10												
11												
12												
13		.000 ND				FI						
14	FI			.000 ND	.000 ND							
15			FI									
16												
17												
18												
19		.000 ND				.000 ND						
20	.000 ND			FI	.000 ND							
21			.000 ND									
22												
23												
24												
25		.000 ND				.000 ND						
26	.001 SQ			.000 ND	.000 ND							
27			.000 ND									
28												
29												
30												
31												
NO.:	4	5	3	4	5	4	0	0	0	0	0	0
MAX:	.001	0.000	0.000	0.000	0.000	0.000	0.000					
MEAN:	.0003	0.0000	0.0000	0.0000	0.0000	0.0000						
ANNUAL OBSERVATIONS:		25		ANNUAL MEAN:	0.0000	ANNUAL MAX:	.001					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12112) Chromium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-47-3
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.000 ND	.000 ND
2									.000 ND	.006		
3								.000 ND				
4		.009				.005	.006					
5	.000 ND			.000 ND	.000 ND							
6			.000 ND									
7											.000 ND	.000 ND
8									.000 ND	AF		
9								.000 ND				
10		.000 ND				.000 ND	AM					
11	.000 ND			.000 ND	.000 ND							
12			.000 ND									
13											AF	AF
14									.000 ND	.000 ND		
15								.000 ND				
16		.000 ND				AF	AF					
17	.000 ND			.000 ND	.000 ND							
18			.000 ND									
19											AG	.000 ND
20									.000 ND	AF		
21								.000 ND				
22		.000 ND				.000 ND	AF					
23	.000 ND			.000 ND	AF							
24			.000 ND									
25											.000 ND	.000 ND
26									.013	.000 ND		
27								.000 ND				
28		.000 ND				.000 ND	.000 ND					
29	.000 ND			.000 ND	.000 ND							
30			.000 ND									
31												.000 ND
NO.:	5	5	5	5	4	4	2	5	5	3	3	5
MAX:	0.000	.009	0.000	0.000	0.000	.005	.006	0.000	.013	.006	0.000	0.000
MEAN:	0.0000	.0018	0.0000	0.0000	0.0000	.0013	.0030	0.0000	.0026	.0020	0.0000	0.0000
ANNUAL OBSERVATIONS:	51		ANNUAL MEAN:		.0008		ANNUAL MAX:		.013			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12112) Chromium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-47-3
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAQ: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000 ND									
2											.000 ND	AF
3									AF	.000 ND		
4								.000 ND				
5		AF				.009	.013					
6	AG			.000 ND	.000 ND							
7			.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10								.006				
11		.000 ND				.006	.006					
12	.000 ND			.000 ND	.000 ND							
13			.000 ND								.000 ND	.000 ND
14												
15									AF	.000 ND		
16								.000 ND				
17		.000 ND				.000 ND	.000 ND					
18	.000 ND			AG	.000 ND							
19			.000 ND								.000 ND	.000 ND
20												
21									.000 ND	.000 ND		
22								.006				
23		.000 ND				.000 ND	.000 ND					
24	AF			.005	.007							
25			.000 ND								.000 ND	.000 ND
26												
27									.000 ND	.000 ND		
28								.007				
29						.000 ND	.000 ND					
30	AF			.000 ND	.000 ND							
31			.000 ND									
NO.:	2	3	6	4	5	5	5	5	3	5	5	4
MAX:	0.000	0.000	0.000	.005	.007	.009	.013	.007	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	.0013	.0014	.0030	.0038	.0038	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:	.0013		ANNUAL MAX:	.013					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12112) Chromium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-47-3
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2016

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2												
3									.000 ND	.000 ND	.000 ND	.000 ND
4								.000 ND				
5						.000 ND	.000 ND					
6		.000 ND		.000 ND	.000 ND							
7	.000 ND		.000 ND									
8											.000 ND	.000 ND
9									AF	.000 ND		
10								.000 ND				
11						AG	.000 ND					
12		.000 ND		.000 ND	.000 ND							
13	.000 ND		.000 ND								.000 ND	AV
14												
15			AF						AF	.000 ND		
16								.000 ND				
17						.000 ND	.000 ND					
18		.000 ND		.000 ND	.000 ND							
19	AJ		.010								.000 ND	AV
20												
21									.000 ND	.000 ND		
22								.000 ND				
23						.000 ND	.000 ND					
24		.000 ND		.000 ND	.000 ND							
25	AJ		.000 ND								.000 ND	.000 ND
26												
27									.000 ND	.000 ND		
28								.000 ND				
29						.007	AF					
30				.000 ND	.006							
31	AJ		.000 ND									
NO.:	3	4	6	5	5	4	4	5	3	5	5	3
MAX:	0.000	0.000	.010	0.000	.006	.007	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	.0017	0.0000	.0012	.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:	.0004		ANNUAL MAX:	.010					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12112) Chromium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-47-3
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2017

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	AJ			.000 ND	.003							
2			AJ									
3											.030	.027
4									.028	.026		
5								.028				
6		.000 ND				.025	.025					
7	.000 ND			.000 ND	.003							
8			.000 ND									
9											.029	FI
10									.031	.027		
11								.024				
12		.000 ND				.026	.023					
13	.000 ND			.000 ND	.003							
14			.000 ND									
15										.035	FI	FI
16									.031	.027		
17		AJ				.025	.027					
18	AJ			.000 ND	.004							
19			.000 ND									
20											.031	.028
21												
22									AG	TS		
23								.028				
24		.000 ND				.026	.028					
25	.000 ND			.000 ND	.003							
26			.000 ND									
27											.030	FI
28									.029	.029		
29								FI				
30						.026	.028					
31	AJ				.024							
NO.:	3	3	4	5	6	5	5	4	4	4	4	2
MAX:	0.000	0.000	0.000	0.000	.024	.026	.028	.031	.035	.029	.031	.028
MEAN:	0.0000	0.0000	0.0000	0.0000	.0067	.0256	.0262	.0278	.0308	.0273	.0300	.0275
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.0167		ANNUAL MAX:	.035					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12112) Chromium (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-47-3
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2018

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

MONTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1		.002				.002						
2	.003			.003	.003							
3			FI									
4												
5												
6												
7		.002				.003						
8	.002			.003	.003							
9			.002									
10												
11												
12												
13		.002				FI						
14	FI			.006	.002							
15			FI									
16												
17												
18												
19		.000 ND				.003						
20	.000 ND			FI	.003							
21			.003									
22												
23												
24												
25		.002				.003						
26	.000 ND			.002	.003							
27			.003									
28												
29												
30												
31												
NO.:	4	5	3	4	5	4	0	0	0	0	0	0
MAX:	.003	.002	.003	.006	.003	.003						
MEAN:	.0013	.0016	.0027	.0035	.0028	.0028						
ANNUAL OBSERVATIONS:		25		ANNUAL MEAN:	.0024	ANNUAL MAX:	.006					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12128) Lead (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7439-92-1
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.0000 ND	.0000 ND
2									.0000 ND	.0000 ND		
3								.0000 ND				
4		.0510 5				.0000 ND	.0000 ND					
5	.0000 ND			.0000 ND	.0000 ND							
6			.0072									
7											.0076	.0000 ND
8									.0000 ND	AF		
9								.0058				
10		.0000 ND				.0052	AM					
11	.0000 ND			.0000 ND	.0000 ND							
12			.0100									
13											AF	AF
14									.0000 ND	.0000 ND		
15								.0000 ND				
16		.0000 ND				AF	AF					
17	.0000 ND			.0052	.0000 ND							
18			.0000 ND									
19											AG	.0000 ND
20									.0000 ND	AF		
21								.0000 ND				
22		.0000 ND				.0000 ND	AF					
23	.0000 ND			.0000 ND	AF							
24			.0000 ND									
25											.0000 ND	.0000 ND
26									.0054	.0000 ND		
27								.0000 ND				
28		.0000 ND				.0000 ND	.0000 ND					
29	.0000 ND			.0000 ND	.0000 ND							
30			.0000 ND									
31												.0000 ND
NO.:	5	5	5	5	4	4	2	5	5	3	3	5
MAX:	0.0000	.0510	.0100	.0052	0.0000	.0052	0.0000	.0058	.0054	0.0000	.0076	0.0000
MEAN:	0.00000	.01020	.00344	.00104	0.00000	.00130	0.00000	.00116	.00108	0.00000	.00253	0.00000
ANNUAL OBSERVATIONS:	51		ANNUAL MEAN:		.00191		ANNUAL MAX:		.0510			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12128) Lead (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7439-92-1
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.0000 ND									
2											.0000 ND	AF
3									AF	.0000 ND		
4								.0000 ND				
5		AF				.0000 ND	.0099					
6	AG			.0000 ND	.0051							
7			.0000 ND								.0097	.0058
8												
9									.0000 ND	.0000 ND		
10								.0052				
11		.0000 ND				.0000 ND	.0000 ND					
12	.0000 ND			.0079	.0000 ND							
13			.0000 ND								.0000 ND	.0000 ND
14									AF	.0000 ND		
15								.0000 ND				
16		.0000 ND				.0000 ND	.0000 ND					
17											.0000 ND	.0000 ND
18	.0000 ND			AG	.0000 ND							
19			.0000 ND								.0000 ND	.0000 ND
20												
21									.0000 ND	.0000 ND		
22								.0000 ND				
23		.0000 ND				.0000 ND	.0000 ND					
24	AF			.0000 ND	.0425 5							
25			.0000 ND								.0000 ND	.0000 ND
26												
27									.0000 ND	.0000 ND		
28								.0000 ND				
29						.0000 ND	.0000 ND					
30	AF			.0000 ND	.0000 ND							
31			.0000 ND									
NO.:	2	3	6	4	5	5	5	5	3	5	5	4
MAX:	0.0000	0.0000	0.0000	.0079	.0425	0.0000	.0099	.0052	0.0000	0.0000	.0097	.0058
MEAN:	0.00000	0.00000	0.00000	.00198	.00952	0.00000	.00198	.00104	0.00000	0.00000	.00194	.00145
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.00166		ANNUAL MAX:	.0425				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12128) Lead (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7439-92-1
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2016

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.0000 ND		.0000 ND									
2												
3									.0088	.0000 ND	.0000 ND	.0000 ND
4								.0000 ND				
5						.0000 ND	.0067					
6		.0000 ND		.0000 ND	.0000 ND							
7	.0076		.0000 ND									
8											.0000 ND	.0000 ND
9									AF	.0000 ND		
10								.0000 ND				
11						AG	.0000 ND					
12		.0000 ND		.0000 ND	.0000 ND							
13	.0000 ND		.0000 ND								.0000 ND	AV
14												
15			AF						AF	.0000 ND		
16								.0000 ND				
17						.0000 ND	.0000 ND					
18		.0000 ND		.0000 ND	.0000 ND							
19	AJ		.0000 ND								.0000 ND	AV
20												
21									.0000 ND	.0000 ND		
22								.0000 ND				
23						.0000 ND	.0000 ND					
24		.0000 ND		.0000 ND	.0000 ND							
25	AJ		.0000 ND								.0000 ND	.0000 ND
26												
27									.0000 ND	.0000 ND		
28								.0063				
29						.0000 ND	AF					
30				.0000 ND	.0000 ND							
31	AJ		.0000 ND									
NO.:	3	4	6	5	5	4	4	5	3	5	5	3
MAX:	.0076	0.0000	0.0000	0.0000	0.0000	0.0000	.0067	.0063	.0088	0.0000	0.0000	0.0000
MEAN:	.00253	0.00000	0.00000	0.00000	0.00000	0.00000	.00168	.00126	.00293	0.00000	0.00000	0.00000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.00057		ANNUAL MAX:	.0088				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12128) Lead (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7439-92-1
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2017

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	AJ			.0000 ND	.0000 ND							
2			AJ									
3											.0016 SQ	.0041
4									.0031	.0021		
5								.0012				
6		.0000 ND				.0009	.0047					
7	.0000 ND			.0000 ND	.0000 ND							
8			.0000 ND									
9											.0027	FI
10									.0048	.0018		
11								.0015				
12		.0000 ND				.0013	.0008					
13	.0000 ND			.0000 ND	.0023							
14			.0000 ND									
15											FI	FI
16									.0047	.0008		
17								.0037				
18		AJ				.0013	.0044					
19	AJ			.0000 ND	.0013							
20			.0000 ND									
21											.0012 SQ	.0034
22									AG	TS		
23								.0017				
24		.0000 ND				.0009	.0011					
25	.0000 ND			.0000 ND	.0000 ND							
26			.0000 ND									
27											.0031	FI
28									.0015	.0020 SQ		
29								FI				
30						.0009	.0053					
31	AJ				.0011							
NO.:	3	3	4	5	6	5	5	4	4	4	4	2
MAX:	0.0000	0.0000	0.0000	0.0000	.0023	.0013	.0053	.0037	.0048	.0021	.0031	.0041
MEAN:	0.00000	0.00000	0.00000	0.00000	.00078	.00106	.00326	.00203	.00353	.00168	.00215	.00375
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.00146	ANNUAL MAX:	.0053					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12128) Lead (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7439-92-1
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2018

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1		.0013 SQ				.0010 SQ						
2	.0021 SQ			.0020 SQ	.0032							
3			FI									
4												
5												
6												
7		.0027				.0020 SQ						
8	.0012 SQ			.0021 SQ	.0044							
9			.0010 SQ									
10												
11												
12												
13		.0030				FI						
14	FI			.0057	.0025 SQ							
15			FI									
16												
17												
18												
19		.0017 SQ				.0015 SQ						
20	.0021 SQ			FI	.0015 SQ							
21			.0016 SQ									
22												
23												
24												
25		.0016 SQ				.0018 SQ						
26	.0025			.0013 SQ	.0047							
27			.0019 SQ									
28												
29												
30												
31												
NO.:	4	5	3	4	5	4	0	0	0	0	0	0
MAX:	.0025	.0030	.0019	.0057	.0047	.0020						
MEAN:	.00198	.00206	.00150	.00278	.00326	.00158						
ANNUAL OBSERVATIONS:		25		ANNUAL MEAN:	.00226	ANNUAL MAX:	.0057					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12132) Manganese (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7439-96-5
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.015	.033
2									.023	.023		
3								.006				
4		.081 5				.042	.058					
5	.007			.010	.036							
6			.022									
7										.004	.009	
8									.025	AF		
9								.027				
10		.007				.038	AM					
11	.006			.055	.022							
12			.026									
13											AF	AF
14									.010	.025		
15								.016				
16		.023				AF	AF					
17	.009			.024	.004							
18			.015									
19											AG	.006
20									.017	AF		
21								.005				
22		.010				.014	AF					
23	.021			.014	AF							
24			.012									
25										.005	.005	
26								.071	.014			
27								.046				
28		.023				.051	.007					
29	.010			.003	.055							
30			.010									
31												.027
NO.:	5	5	5	5	4	4	2	5	5	3	3	5
MAX:	.021	.081	.026	.055	.055	.051	.058	.046	.071	.025	.015	.033
MEAN:	.0106	.0288	.0170	.0212	.0293	.0363	.0325	.0200	.0292	.0207	.0080	.0160
ANNUAL OBSERVATIONS:	51		ANNUAL MEAN:		.0221		ANNUAL MAX:		.081			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12132) Manganese (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7439-96-5
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.010									
2											.017	AF
3									AF	.006		
4								.016				
5		AF				.062	.115 5					
6	AG			.023	.022							
7			.013									
8											.035	.034
9									.044	.018		
10								.051				
11		.033				.025	.053					
12	.030			.024	.015							
13			.012								.012	.003
14									AF	.011		
15								.024				
16		.016				.054	.028					
17	.005			AG	.021							
18			.050								.022	.005
19									.052	.029		
20								.043				
21		.024				.175 5	.120 5					
22	AF			.020	.038							
23			.011								.012	.002
24								.032	.010			
25								.061				
26						.011	.034					
27	AF			.117 5	.010							
28			.074									
29												
30												
31												
NO.:	2	3	6	4	5	5	5	5	3	5	5	4
MAX:	.030	.033	.074	.117	.038	.175	.120	.061	.052	.029	.035	.034
MEAN:	.0175	.0243	.0283	.0460	.0212	.0654	.0700	.0390	.0427	.0148	.0196	.0110
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.0343	ANNUAL MAX:	.175					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12132) Manganese (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7439-96-5
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2016

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.004		.006									
2											.020	.003
3									.019	.028		
4						.010	.010	.019				
5												
6		.005		.017	.071 5							
7	.044		.007								.018	.011
8												
9									AF	.015		
10								.007				
11						AG	.020					
12		.016		.010	.012							
13	.012		.005								.032	AV
14												
15			AF						AF	.014		
16								.005				
17						.019	.011					
18		.015		.080 5	.033							
19	AJ		.111 5								.014	AV
20												
21									.006	.004		
22								.012				
23						.009	.015					
24		.004		.010	.015							
25	AJ		.015								.005	.003
26												
27									.031	.008		
28								.014				
29						.063 5	AF					
30				.007	.061							
31	AJ		.008									
NO.:	3	4	6	5	5	4	4	5	3	5	5	3
MAX:	.044	.016	.111	.080	.071	.063	.020	.019	.031	.028	.032	.011
MEAN:	.0200	.0100	.0253	.0248	.0384	.0253	.0140	.0114	.0187	.0138	.0178	.0057
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.0195	ANNUAL MAX:	.111					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12132) Manganese (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7439-96-5
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2017

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	AJ			.003	.010							
2			AJ									
3											.023	.016
4									.016	.018		
5								.030				
6		.010				.011	.008					
7	.008			.003	.009							
8			.006									
9											.021	FI
10									.051	.032		
11								.019				
12		.004				.012	.004					
13	.016			.054	.014							
14			.013									
15											FI	FI
16									.093 5	.015		
17								.051				
18		AJ				.008	.083 5					
19	AJ			.008	.035							
20			.011									
21											.010	.024
22									AG	TS		
23								.019				
24		.010				.011	.007					
25	.004			.005	.005							
26			.013									
27											.021	FI
28									.050	.006		
29								FI				
30						.011	.042					
31	AJ				.011							
NO.:	3	3	4	5	6	5	5	4	4	4	4	2
MAX:	.016	.010	.013	.054	.035	.012	.083	.051	.093	.032	.023	.024
MEAN:	.0093	.0080	.0108	.0146	.0140	.0106	.0288	.0298	.0525	.0178	.0188	.0200
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.0197	ANNUAL MAX:	.093					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12132) Manganese (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7439-96-5
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQA0: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2018

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1		.009				.009						
2	.012			.007	.022							
3			FI									
4												
5												
6												
7		.006				.013						
8	.007			.008	.014							
9			.005									
10												
11												
12												
13		.020				FI						
14	FI			.045	.009							
15			FI									
16												
17												
18												
19		.004 SQ				.028						
20	.005			FI	.015							
21			.013									
22												
23												
24												
25		.004 SQ				.008						
26	.005			.039	.016							
27			.007									
28												
29												
30												
31												
NO.:	4	5	3	4	5	4	0	0	0	0	0	0
MAX:	.012	.020	.013	.045	.022	.028						
MEAN:	.0073	.0086	.0083	.0248	.0152	.0145						
ANNUAL OBSERVATIONS:	25		ANNUAL MEAN:	.0132	ANNUAL MAX:	.045						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12136) Nickel (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-02-0
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.000 ND	.000 ND
2									.000 ND	.000 ND		
3								.000 ND				
4		.008				.000 ND	.000 ND					
5	.000 ND			.000 ND	.000 ND							
6			.000 ND									
7											.000 ND	.000 ND
8									.000 ND	AF		
9								.000 ND				
10		.000 ND				.000 ND	AM					
11	.000 ND			.000 ND	.000 ND							
12			.000 ND									
13											AF	AF
14									.000 ND	.000 ND		
15								.000 ND				
16		.000 ND				AF	AF					
17	.000 ND			.000 ND	.000 ND							
18			.000 ND									
19											AG	.000 ND
20									.000 ND	AF		
21								.000 ND				
22		.000 ND				.000 ND	AF					
23	.000 ND			.000 ND	AF							
24			.000 ND									
25											.000 ND	.000 ND
26									.008	.000 ND		
27								.000 ND				
28		.000 ND				.000 ND	.000 ND					
29	.000 ND			.000 ND	.000 ND							
30			.000 ND									
31												.000 ND
NO.:	5	5	5	5	4	4	2	5	5	3	3	5
MAX:	0.000	.008	0.000	0.000	0.000	0.000	0.000	0.000	.008	0.000	0.000	0.000
MEAN:	0.0000	.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0016	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	51		ANNUAL MEAN:		.0003		ANNUAL MAX:		.008			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12136) Nickel (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-02-0
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000 ND									
2											.000 ND	AF
3									AF	.000 ND		
4								.000 ND				
5		AF				.000 ND	.000 ND					
6	AG			.000 ND	.000 ND							
7			.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10								.000 ND				
11		.000 ND				.000 ND	.000 ND					
12	.000 ND			.000 ND	.000 ND							
13			.000 ND									
14											.000 ND	.000 ND
15									AF	.000 ND		
16								.000 ND				
17		.000 ND				.000 ND	.000 ND					
18	.000 ND			AG	.000 ND							
19			.000 ND									
20											.000 ND	.000 ND
21									.000 ND	.000 ND		
22								.000 ND				
23		.000 ND				.000 ND	.000 ND					
24	AF			.000 ND	.000 ND							
25			.000 ND									
26											.000 ND	.000 ND
27									.000 ND	.000 ND		
28								.000 ND				
29						.000 ND	.000 ND					
30	AF			.000 ND	.000 ND							
31			.000 ND									
NO.:	2	3	6	4	5	5	5	5	3	5	5	4
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12136) Nickel (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-02-0
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2016

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2												
3									.000 ND	.000 ND	.000 ND	.000 ND
4								.000 ND				
5						.000 ND	.000 ND					
6		.000 ND		.000 ND	.000 ND							
7	.000 ND		.000 ND									
8											.000 ND	.000 ND
9									AF	.000 ND		
10								.000 ND				
11						AG	.000 ND					
12		.000 ND		.000 ND	.000 ND							
13	.000 ND		.000 ND								.000 ND	AV
14												
15			AF						AF	.000 ND		
16								.000 ND				
17						.000 ND	.000 ND					
18		.000 ND		.000 ND	.000 ND							
19	AJ		.000 ND								.000 ND	AV
20												
21									.000 ND	.000 ND		
22								.000 ND				
23						.000 ND	.000 ND					
24		.000 ND		.000 ND	.000 ND							
25	AJ		.000 ND									
26											.000 ND	.000 ND
27									.000 ND	.000 ND		
28								.000 ND				
29						.000 ND	AF					
30				.000 ND	.000 ND							
31	AJ		.000 ND									
NO.:	3	4	6	5	5	4	4	5	3	5	5	3
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12136) Nickel (TSP) STP
 SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-02-0
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2017

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	AJ			.000 ND	.000 ND							
2			AJ									
3											.000 ND	.000 ND
4								.000 ND		.000 ND		
5									.000 ND			
6		.000 ND				.000 ND	.000 ND					
7	.000 ND			.000 ND	.000 ND							
8			.000 ND									
9											.000 ND	FI
10									.000 ND	.000 ND		
11								.000 ND				
12		.000 ND				.000 ND	.000 ND					
13	.000 ND			.000 ND	.000 ND							
14			.000 ND									
15											FI	FI
16									.003	.000 ND		
17								.000 ND				
18		AJ				.000 ND	.000 ND					
19	AJ			.000 ND	.000 ND							
20			.000 ND									
21											.003	.002 SQ
22									AG	TS		
23								.000 ND				
24		.000 ND				.000 ND	.000 ND					
25	.000 ND			.000 ND	.000 ND							
26			.000 ND									
27											.000 ND	FI
28									.000 ND	.000 ND		
29								FI				
30						.000 ND	.000 ND					
31	AJ				.000 ND							
NO.:	3	3	4	5	6	5	5	4	4	4	4	2
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.003	0.000	.003	.002
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0008	0.0000	.0008	.0010
ANNUAL OBSERVATIONS:	49		ANNUAL MEAN:	.0002		ANNUAL MAX:	.003					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12136) Nickel (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-02-0
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2018

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1		.000 ND				.000 ND						
2	.000 ND			.000 ND	.000 ND							
3			FI									
4												
5												
6												
7		.000 ND				.000 ND						
8	.000 ND			.000 ND	.000 ND							
9			.000 ND									
10												
11												
12												
13		.001 SQ				FI						
14	FI			.001 SQ	.000 ND							
15			FI									
16												
17												
18												
19		.000 ND				.000 ND						
20	.000 ND			FI	.000 ND							
21			.000 ND									
22												
23												
24												
25		.000 ND				.001 SQ						
26	.000 ND			.000 ND	.000 ND							
27			.000 ND									
28												
29												
30												
31												
NO.:	4	5	3	4	5	4	0	0	0	0	0	0
MAX:	0.000	.001	0.000	.001	0.000	.001						
MEAN:	0.0000	.0002	0.0000	.0003	0.0000	.0003						
ANNUAL OBSERVATIONS:		25	ANNUAL MEAN:	.0001	ANNUAL MAX:	.001						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12167) Zinc (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-66-6
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.017	.015
2									.017	.023		
3								.027				
4		.402 5				.055 5	.009					
5	.055 5			.020	.018							
6			.065 5									
7											.022	.015
8									.026	AF		
9								.041				
10		.037				.027	AM					
11	.050			.014	.034							
12			.102 5									
13											AF	AF
14									.024	.021		
15								.028				
16		.293 5				AF	AF					
17	.025			.019	.014							
18			.023									
19											AG	.011
20									.016	AF		
21								.014				
22		.010				.017	AF					
23	.031			.011	AF							
24			.014									
25											.011	.011
26								.034	.023			
27		.041				.021	.011	.036				
28	.017			.010	.029							
29			.021									
30												.015
31												
NO.:	5	5	5	5	4	4	2	5	5	3	3	5
MAX:	.055	.402	.102	.020	.034	.055	.011	.041	.034	.023	.022	.015
MEAN:	.0356	.1566	.0450	.0148	.0238	.0300	.0100	.0292	.0234	.0223	.0167	.0134
ANNUAL OBSERVATIONS:	51		ANNUAL MEAN:		.0381		ANNUAL MAX:		.402			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12167) Zinc (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-66-6
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.026									
2											.017	AF
3									AF	.011		
4								.013				
5		AF				.020	.030					
6	AG			.021	.023							
7			.019									
8											.036	.050
9									.041	.019		
10								.022				
11		.027				.026	.023					
12	.015			.041	.013							
13			.015								.014	.013
14									AF	.013		
15								.019				
16		.025				.035	.019					
17	.010			AG	.010							
18			.042								.017	.016
19									.044	.013		
20								.019				
21		.032				.017	.014					
22	AF			.027	.026							
23			.019								.015	.006
24								.022	.021			
25						.020	.020					
26	AF		.015	.019	.014							
27												
28								.021				
29												
30												
31												
NO.:	2	3	6	4	5	5	5	5	3	5	5	4
MAX:	.015	.032	.042	.041	.026	.035	.030	.022	.044	.021	.036	.050
MEAN:	.0125	.0280	.0227	.0270	.0172	.0236	.0212	.0188	.0357	.0154	.0198	.0213
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.0216		ANNUAL MAX:	.050				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12167) Zinc (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-66-6
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2016

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.010									
2											.014	.009
3									.012	.027		
4								.032				
5						.009	.012					
6		.011		.018	.022							
7	.053 5		.009								.021	.014
8												
9									AF	.009		
10								.013				
11						AG	.011					
12		.020		.011	.012							
13	.014		.024								.020	AV
14			AF						AF	.017		
15								.000 ND				
16						.010	.013					
17		.014		.019	.024							
18	AJ		.013								.022	AV
19									.008	.000 ND		
20								.020				
21						.009	.043 5					
22		.022		.013	.017							
23	AJ		.009								.009	.007
24								.011	.012	.011		
25						.008	AF					
26				.011	.013							
27	AJ		.010									
28												
29												
30												
31												
NO.:	3	4	6	5	5	4	4	5	3	5	5	3
MAX:	.053	.022	.024	.019	.024	.010	.043	.032	.012	.027	.022	.014
MEAN:	.0223	.0168	.0125	.0144	.0176	.0090	.0198	.0152	.0107	.0128	.0172	.0100
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.0148	ANNUAL MAX:	.053					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12167) Zinc (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-66-6
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2017

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	AJ			.013	.000 ND							
2			AJ									
3											.000 ND	.025 SQ
4									.015	.013		
5								.007				
6		.016				.000 ND	.000 ND					
7	.015			.010	.000 ND							
8			.007									
9											.000 ND	FI
10									.024	.021		
11								.033				
12		.014				.000 ND	.000 ND					
13	.013			.015	.000 ND							
14			.012									
15											FI	FI
16									.036	.030		
17								.021				
18		AJ				.000 ND	.039 5					
19	AJ			.009	.000 ND							
20			.016									
21											.000 ND	.027 SQ
22									AG	TS		
23								.033				
24		.008				.000 ND	.008					
25	.013			.008	.000 ND							
26			.012									
27											.018 SQ	FI
28									.018	.000 ND		
29								FI				
30						.000 ND	.011					
31	AJ				.000 ND							
NO.:	3	3	4	5	6	5	5	4	4	4	4	2
MAX:	.015	.016	.016	.015	0.000	0.000	.039	.033	.036	.030	.018	.027
MEAN:	.0137	.0127	.0118	.0110	0.0000	0.0000	.0116	.0235	.0233	.0160	.0045	.0260
ANNUAL OBSERVATIONS:		49		ANNUAL MEAN:	.0114	ANNUAL MAX:	.039					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

Jul. 16, 2019

(12167) Zinc (TSP) STP

SITE ID: 42-007-0727 POC: 2
 COUNTY: (007) Beaver
 CITY: (00000) Not in a city
 SITE ADDRESS: LITTLE BLUE RUN
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (42) Pennsylvania
 AQCR: (197) SOUTHWEST PENNSYLVANIA
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: RURAL

CAS NUMBER: 7440-66-6
 LATITUDE: 40.6118996483
 LONGITUDE: -80.500451209
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 287
 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection
 MONITOR TYPE: OTHER
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER
 PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2018

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (25 C)
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1		.019 SQ				.000 ND						
2	.000 ND			.000 ND	.000 ND							
3			FI									
4												
5												
6												
7		.019 SQ				.000 ND						
8	.026 SQ			.000 ND	.000 ND							
9			.000 ND									
10												
11												
12												
13		.019 SQ				FI						
14	FI			.025 SQ	.017 SQ							
15			FI									
16												
17												
18												
19		.000 ND				.000 ND						
20	.025 SQ			FI	.000 ND							
21			.000 ND									
22												
23												
24												
25		.000 ND				.000 ND						
26	.018 SQ			.019 SQ	.000 ND							
27			.019 SQ									
28												
29												
30												
31												
NO.:	4	5	3	4	5	4	0	0	0	0	0	0
MAX:	.026	.019	.019	.025	.017	0.000						
MEAN:	.0173	.0114	.0063	.0110	.0034	0.0000						
ANNUAL OBSERVATIONS:	25		ANNUAL MEAN:	.0082	ANNUAL MAX:	.026						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (***) indicates that the region has reviewed the value and does not concur with the qualifier.

QUALIFIER CODES:

Qualifier Code	Qualifier Description	Qualifier Type
5	Outlier.	QA
AF	Scheduled but not Collected.	NULL
AG	Sample Time out of Limits.	NULL
AJ	Filter Damage.	NULL
AM	Miscellaneous Void.	NULL
AV	Power Failure.	NULL
FI	Filter Inspection Flag.	NULL
ND	No Value Detected, Zero Reported.	QA
SQ	Values Between SQL and MDL.	QA
TS	Holding Time Or Transport Temperature Is Out Of Specs.	NULL

Note: Qualifier codes with regional concurrence are shown in upper case,
and those without regional concurrence are shown in lower case.